

For Research Use Only

NUDT18 Polyclonal antibody, PBS Only

Catalog Number: 17318-1-PBS



Basic Information

Catalog Number: 17318-1-PBS	GenBank Accession Number: BC016902	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 79873	
Source: Rabbit	UNIPROT ID: Q6ZVK8	
Isotype: IgG	Full Name: nudix (nucleoside diphosphate linked moiety X)-type motif 18	
Immunogen Catalog Number: AG11292	Calculated MW: 323 aa, 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications:
IF/ICC, IP, Indirect ELISA

Species Specificity:
human

Background Information

8-oxo-dGDP phosphatase NUDT18, also known as MTH3, belongs to the Nudix hydrolase family that eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of various nucleotide substrates, cofactors, and signaling molecules (PMID: 35732208, 22556419). NUDT18 is specifically active against 8-oxo-dGDP and hardly cleaves 8-oxo-dGTP. NUDT18 is markedly elevated expression in noncancerous cell lines in comparison to cancerous counterpart, and NUDT18 deficient cells have been reported to exhibit a noticeably reduced proliferation rate (PMID: 38944687).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

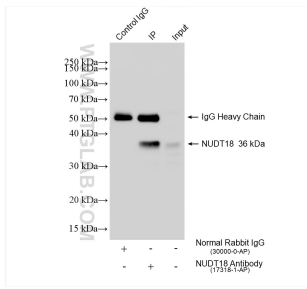
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

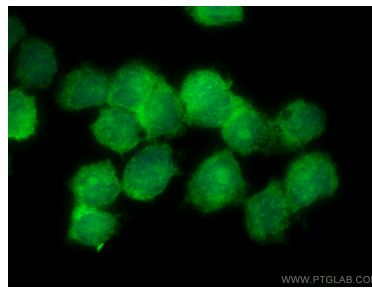
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-NUDT18 (IP:17318-1-AP, 4 μ g; Detection:17318-1-AP 1:500) with THP-1 cells lysate 2480 μ g. This data was developed using the same antibody clone with 17318-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using NUDT18 antibody (17318-1-AP) at dilution of 1:400 and Multi-rAb CoraLite[®] Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 17318-1-PBS in a different storage buffer formulation.